

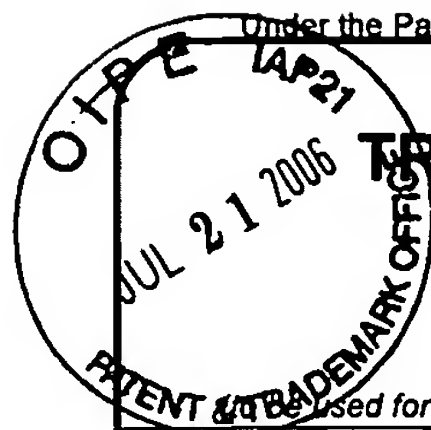
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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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# TRANSMITTAL FORM

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Total Number of Pages in This Submission

Application Number	10/654,306
Filing Date	09/02/2003
First Named Inventor	Hiroyuki TAMURA et al.
Art Unit	2832
Examiner Name	Not yet assigned
Attorney Docket Number	44471/292097

## ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
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<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	KILPATRICK STOCKTON LLP		
Signature	<i>Brenda O. Holmes</i>		
Printed name	Brenda O. Holmes		
Date	07.17.2006	Reg. No.	40,339

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Signature	<i>Janie Wilkins</i>		
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

**Hiroyuki Tamura et al.**

Serial No. 10/654,306

Filed: **September 2, 2003**

For: **Magnetic Body, Magnetic Device  
Using the Same, and Method of  
Manufacturing the Same**

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)  
) Art Unit: **2832**  
)  
) Examiner: **Not Yet Assigned**  
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)  
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) Attorney Docket No.: 44471/292097

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Janie Wilkins

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

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Sir:

The citation of information on the attached Forms PTO/SB/08a and b, "Information Disclosure Statement by Applicant" is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. A copy of each non-U.S. patent document listed is enclosed.

**Supplemental Information Disclosure Statement**

**Serial No. 10/654,306**

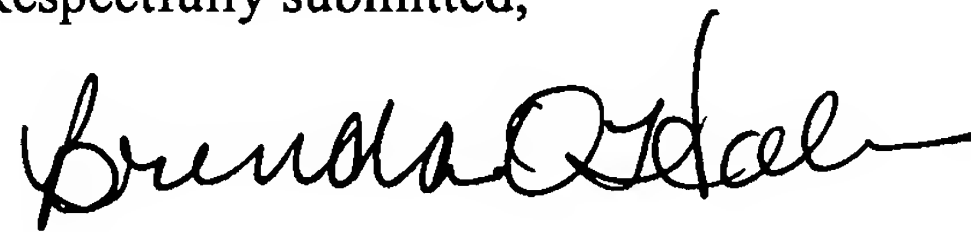
**Page 2**

Each item of information contained in the attached Forms PTO/SB/08a and b was first cited in the Search Report mailed on May 17, 2006 in a counterpart European application. We also enclose a copy of the European Search Report.

This Supplemental Information Disclosure Statement is being filed before the mailing of a first Office Action on the merits. Therefore, no fees are believed due; however, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account 11-0855.

The citation of this information does not constitute an admission of priority or that any cited item is available as a reference, or a waiver of any right the applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Brenda O. Holmes", with a long horizontal flourish extending to the right.

Brenda O. Holmes

Reg. No. 40,339

Kilpatrick Stockton LLP  
1100 Peachtree Street, Suite 2800  
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(404) 815-6500  
KS File: 44471/292097

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Substitute for form 1449A/PTO

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

2

Application Number

10/654,306

Filing Date

September 2, 2003

First Named Inventor

Hiroyuki Tamura et al.

Art Unit

2832

Examiner Name

Attorney Docket Number

44471/292097

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	US-2001/0007718	7-12-2001	Tamura et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

2

**Complete if Known**

Application Number

10/654,306

Filing Date

September 2, 2003

First Named Inventor

Hiroyuki Tamura et al.

Art Unit

2832

Examiner Name

Attorney Docket Number

44471/292097

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	2	AKIRA SUGIMURA, "Possibility of Magnetic Ordered States in Semiconductor Quantum Dot System", Japanese Journal of Applied Physics, Vol. 29, No. 12, December 1990, pp. L2463-L2465, XP-002373486	
	3	KHURGIN J. B. et al. "Exchange interactions in strained quantum dot arrays and possibility of engineering their magnetic properties", Superlattices and Microstructures, Academic Press, London, GB, Vol. 24, No. 2, August 1998, pages 133-142, XP004445309, ISSN: 0749-6036	
	4	J. KOLEHMAINEN, S.M. REIMANN, M. KOSKINEN, M. MANNINEN, "Magnetic interaction between coupled quantum dots", The European Physical Journal B, Vol. 13, No. 4, February 2000, pages 731-736, XP-002373487	
	5	MANO T. et al., "Formation of InAs quantum dot arrays on GaAs (100) by self-organized anisotropic strain engineering of a (In, Ga) As superlattice template", Applied Physics Letters, AIP, American Institute of Physics, Melville, NY, US, Vol. 81, No. 9, 26 August 2002, pages 1705-1707, XP012033393, ISSN: 0003-6951	
	6	HILL R. J. A. et al., "Magnetotunneling spectroscopy of an individual quantum dot in a gated tunnel diode", Applied Physics Letters, AIP, American Institute of Physics, Melville, NY, US, Vol. 79, No. 20, 12 November 2001, pages 3275-3277, XP012029416, ISSN: 0003-6951	
	7	N. AOKI, L.H. LIN, Y. OCHIAI, K. ISHIBASHI, Y. AOYAGI, J.P. BIRD, D.K. FERRY, J. OSWALD, "Magnetotransconductance in dot array system at high-magnetic fields", Physica E, Vol. 13, No. 2-4, March 2002, pages 769-772, XP2374127	

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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